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Mail Stop ISSUE FEE
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JUN 29 2005

TRADEMARK

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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7590

03/29/2005

Thomas C. Stover
 ESC/JAZ 40 Wright Street
 Hanscom AFB, MA 01731-2903

06/30/2005 MBERHE1 00000110 010465 09862788

01 FC:1501 1400.00 DA

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

THOMAS C. STOVER	(Depositor's name)
	(Signature)
24 June 2005	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/862,788	05/18/2001	Mark Ahmadjian	AFB00500	8998

TITLE OF INVENTION: PLUME DETECTOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional	NO	\$1400	\$0	\$1400	06/29/2005
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EXAMINER	ART UNIT	CLASS-SUBCLASS
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KIM, AHSHIK	2876	356-416000
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1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Thomas C. Stover

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

United States of America as represented
 by the Secretary of the Air Force.

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are enclosed:

4b. Payment of Fee(s):

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies _____

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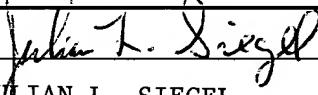
The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number AF01-0465 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature



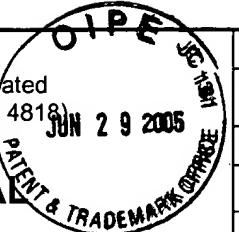
Date 24 June 05

Typed or printed name JULIAN L. SIEGEL

Registration No. 22,407

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Effective 10/08/2004 Fees pursuant to the Consolidated Appropriations Act 2005 (H.R. 4818) 		Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">09/862,788</td> </tr> <tr> <td>Filing Date</td> <td>18 May 2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Mark Ahmadjian</td> </tr> <tr> <td>Examiner Name</td> <td>Ahshik Kim</td> </tr> </table>		Application Number	09/862,788	Filing Date	18 May 2001	First Named Inventor	Mark Ahmadjian	Examiner Name	Ahshik Kim																																						
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<input type="checkbox"/> Applicant claims small entity status. <small>See 37 CFR 1.27</small>		Art Unit 2876																																															
TOTAL AMOUNT OF PAYMENT 1,400		Attorney Docket Number AFB00500																																															
METHOD OF PAYMENT <i>(check all that apply)</i>																																																	
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For the above-identified deposit account, the Director is hereby authorized to: (Check all that apply)																																																	
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WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																																																	
FEE CALCULATION																																																	
1. BASIC FILING, SEARCH, AND EXAMINATION FEES																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 25%;">FILING FEES</th> <th colspan="2" style="width: 33%;">SEARCH FEES</th> <th colspan="2" style="width: 33%;">EXAMINATION FEES</th> <th rowspan="2" style="width: 15%; text-align: center;"><u>Fees Paid (\$)</u></th> </tr> <tr> <th style="width: 50%;"><u>Small Entity</u></th> <th style="width: 50%;"><u>Fee (\$)</u></th> <th style="width: 50%;"><u>Small Entity</u></th> <th style="width: 50%;"><u>Fee (\$)</u></th> <th style="width: 50%;"><u>Small Entity</u></th> </tr> </thead> <tbody> <tr> <td>Utility</td> <td>300</td> <td>150</td> <td>500</td> <td>250</td> <td>200</td> <td>100</td> </tr> <tr> <td>Design</td> <td>200</td> <td>100</td> <td>100</td> <td>50</td> <td>130</td> <td>65</td> </tr> <tr> <td>Plant</td> <td>200</td> <td>100</td> <td>300</td> <td>150</td> <td>160</td> <td>80</td> </tr> <tr> <td>Reissue</td> <td>300</td> <td>150</td> <td>500</td> <td>250</td> <td>600</td> <td>300</td> </tr> <tr> <td>Provisional</td> <td>200</td> <td>100</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>				FILING FEES	SEARCH FEES		EXAMINATION FEES		<u>Fees Paid (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	Utility	300	150	500	250	200	100	Design	200	100	100	50	130	65	Plant	200	100	300	150	160	80	Reissue	300	150	500	250	600	300	Provisional	200	100	0	0	0	0
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2. EXCESS CLAIM FEES																																																	
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3. APPLICATION SIZE FEE																																																	
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(3)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 USC 41(a)(1)(G) and 37 CFR 1.16(s).																																																	
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4. OTHER FEE(S)																																																	
Non-English Specification, \$130 fee (no small entity discount) Other (e.g. late filing surcharge): <u>Issue Fee</u> <u>\$1,400</u>																																																	
SUBMITTED BY																																																	
Signature 		Registration No. (Attorney/Agent) 22,407																																															
Name (Print/Type) <u>JULIAN L. SIEGEL</u>		Telephone (781) 377-4074 Date 24 June 2005																																															